			H' F
	Application No.	Applicant(s)	
Notice of Allowability	10/828,448	MALONE ET AL.	
	Examiner	Art Unit	
	Boris L. Chervinsky	2835	
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.			
1. This communication is responsive to <u>amendment filed on 09/12/05</u> .			
2. The allowed claim(s) is/are <u>1-7,9-12,14-16 and 19-25</u> .			
3. ☐ Acknowledgment is made of a claim for foreign priority una) ☐ All b) ☐ Some* c) ☐ None of the:	der 35 U.S.C. § 119(a)-(d) or (f).		
 Certified copies of the priority documents have 	been received.		
Certified copies of the priority documents have	been received in Application No		
3. Copies of the certified copies of the priority documents have been received in this national stage application from the			
International Bureau (PCT Rule 17.2(a)).			
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.			
4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.			
5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.			
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached			
1) hereto or 2) to Paper No./Mail Date			
(b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date			
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).			
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.			
		42	
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5. Notice of Informal Page	etent Application (PTO-1	152)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ☑ Interview Summary		102)
	Paper No./Mail Date		
 Information Disclosure Statements (PTO-1449 or PTO/SB/08 Paper No./Mail Date 	8), 7. 🛛 Examiner's Amendm	ent/Comment	
Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. \(\sum \) Examiner's Stateme	nt of Reasons for Allowa	ance
->	9.		
•			

Application/Control Number: 10/828,448

Art Unit: 2835

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Ken J. Koestner, Reg. No. 33,004 on 10/27/05.

The application has been amended as follows: in claim 1, last line after "chassis" insert --, wherein the tube exterior to the electronic system chassis further comprises: an inlet tube and an outlet tube coupled to the heat exchanger body; and at least one hinge coupled to at least one of the inlet tube and outlet tube enabling the heat exchanger body to be rotated away from the electronic system chassis for user and/or service access--; claims 8, 13, 17, 18 are canceled; in claim 10 in last line after "segment" insert --, wherein the exterior tubing segment further comprises: an inlet tube and an outlet tube coupled to the heat exchanger; and at least one hinge coupled to the inlet tube and outlet tube enabling the heat exchanger to be rotated away from the electronic system chassis for user and/or service access--; in claim 14 in last line after "chassis" insert --, at least one fan selectively positioned to drive air in an airflow pathway passing between the parallel planar plate fins in the heat exchanger; and at least one fan selectively positioned within the chassis, separated from the heat exchanger--; in claim 21 line 11 delete [a] and insert -the--, after "exchanger" insert -at a hinged connection, the tubing loop--, in last line after "fins" insert --; and configuring

Application/Control Number: 10/828,448

Art Unit: 2835

the hinged connection whereby the liquid loop heat exchanger is enabled to be rotated away from the electronic system chassis for user and/or service access--.

REASONS FOR ALLOWANCE

2. The following is an examiner's statement of reasons for allowance: the prior art is silent regarding the hinge coupled to the inlet and the outlet tube enabling the heat exchanger body to be rotated, and fans arrangement in the chassis in combination with other claimed elements.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Boris L. Chervinsky whose telephone number is 571-272-2039. The examiner can normally be reached on 8-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lynn D. Feild can be reached on 571-272-2800 ext. 35. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. Application/Control Number: 10/828,448

Art Unit: 2835

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic

BORIS CHÉRVINSKY PRIMARY EXAMINER

Business Center (EBC) at 866-217-9197 (toll-free).

10/31/5-

Page 4